

The moiety Ar is a 5-10 member, preferably a 5-or 6- member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur which is unsubstituted or substituted by halogen up to per-halosubstitution and optionally substituted by  $Z_{n1}$ , wherein n1 is 0 to 3.

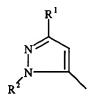
## IN THE CLAIMS:

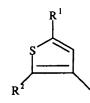
DY DY 1. (Amended) A compound of formula I or a pharmaceutically acceptable salt thereof

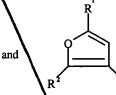
A-NH-C-NH-B

·NH-C-NH-B/

wherein A is a heteroaryl selected from the group consisting of







wherein  $R^1$  is selected from the group consisting of  $C_3$ - $C_{10}$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, up to per-halosubstituted  $C_1$ - $C_{10}$  alkyl and up to per-halosubstituted  $C_3$ - $C_{10}$  cycloalkyl;

B is an up to tricyclic, aryl or heteroaryl moiety of up to 30 carbon atoms with at least one 5- or 6-member aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, substituted by -Y-Ar and optionally substituted by one or more substituents independently selected from the group consisting of halogen, up to per-halosubstitution, and  $X_n$ ,

wherein n is 0-2 and each X is independently selected from the group consisting of –CN, -CO<sub>2</sub>R<sup>5</sup>, -C(O)NR<sup>5</sup>R<sup>5'</sup>, -C(O)R<sup>5</sup>, -NO<sub>2</sub>, -OR<sup>5</sup>, -SR<sup>5</sup>, -NR<sup>5</sup>R<sup>5'</sup>,

-NR $^5$ C(O)OR $^5$ ', -NR $^5$ C(O)R $^5$ ', C $_1$ -C $_{10}$  alkyl, C $_2$ -C $_{10}$  alkenyl, C $_1$ -C $_{10}$  alkoxy, C $_3$ -C $_{10}$  cycloalkyl, C $_6$ -C $_{14}$  aryl, C $_7$ -C $_{24}$  alkaryl, C $_3$ -C $_{13}$  heteroaryl, C $_4$ -C $_{23}$  alkheteroaryl, substituted C $_1$ -C $_{10}$  alkyl, substituted C $_2$ -C $_{10}$  alkenyl, substituted C $_3$ -C $_{10}$  cycloalkyl, and substituted C $_4$ -C $_{23}$  alkheteroaryl -Ar;

cont

where X is a substituted group, it is substituted by one or more substituents independently selected from the group consisting of -CN,  $-CO_2R^5$ ,  $-C(O)R^5$ ,

-C(O)NR<sup>5</sup>R<sup>5</sup>, OR<sup>5</sup>, -SR<sup>5</sup>, -NR<sup>5</sup>R<sup>5</sup>, -NO<sub>2</sub>, -NR<sup>5</sup>C(O)R<sup>5</sup>, -NR<sup>5</sup>C(O)OR<sup>5</sup> and halogen up to perhalosubstitution;

wherein  $R^5$  and  $R^5$  are independently selected from H,  $C_1$ - $C_{10}$  alkyl,  $C_2$ - $C_{10}$ -alkenyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{13}$  heteroaryl,  $C_7$ - $C_{24}$  alkaryl,  $C_4$ - $C_{23}$  alkheteroaryl, up to perhalosubstituted  $C_1$ - $C_{10}$  alkyl, up to perhalosubstituted  $C_2$ - $C_{10}$ -alkenyl, up to perhalosubstituted  $C_3$ - $C_{10}$  cycloalkyl, up to perhalosubstituted  $C_6$ - $C_{14}$  aryl and up to per-halosubstituted  $C_3$ - $C_{13}$  heteroaryl,

 $\label{eq:wherein Y is -O-, -S-, -N(R^5)-, -(CH_2)-m, -C(O)-, -CH(OH)-, -(CH_2)_mO-, -NR^5C(O)NR^5R^{5'}-, -NR^5C(O)-, -C(Q)NR^5\_-O(CH_2)_m-, -(CH_2)_mS-, -(CH_2)_mN(R^5)-, -O(CH_2)_m-, -CHX^a-, -CX^a_2-, -S-(CH_2)_m \ and -N(R^5)(CH_2)_m-, -CX^a_2-, -S-(CH_2)_m \ and -N(R^5)(CH_2)_m-, -CX^a_2-, -S-(CH_2)_m \ and -N(R^5)(CH_2)_m-, -CX^a_2-, -$ 

m = 1-3, and  $X^a$  is halogen; and

Ar is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur which is unsubstituted or substituted by halogen up to perhalosubstitution and optionally substituted by  $Z_{n1}$ , wherein n1 is 0 to 3 and each Z is independently selected from the group consisting of -CN,

 $-CO_2R^5, -C(O)NR^5R^{5'}, -C(O)NR^5, -NO_2, -OR^5, -SR^5, -NR^5R^{5'}, -NR^5C(O)OR^{5'}, \\ -C(O)R^5, NR^5C(O)R^{5'}, C_1-C_{10} \text{ alkyl}, C_3-C_{10} \text{ cycloalkyl}, C_6-C_{14} \text{ aryl}, C_3-C_{13} \text{ heteroaryl}, C_7-C_{24} \\ \text{alkaryl}, C_4-C_{23} \text{ alkheteroaryl}, \text{ substituted } C_1-C_{10} \text{ alkyl}, \text{ substituted } C_3-C_{10} \text{ cycloalkyl}, \text{ substituted}$ 

 $C_7$ - $C_{24}$  alkaryl and substituted  $C_4$ - $C_{23}$  alkheteroaryl;

wherein if Z is a substituted group, it is substituted by the one or more substituents independently selected from the group consisting of -CN,  $-CO_2R^5$ ,

 $-C(O)NR^5R^5$ ,  $-OR^5$ ,  $-SR^5$ ,  $-NO_2$ ,  $-NR^5R^5$ ,  $-NR^5C(O)R^5$  and  $-NR^5C(O)OR^5$ , and

wherein  $R^2$  is  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{14}$  heteroaryl, substituted  $C_6$ - $C_{14}$  aryl or substituted  $C_3$ - $C_{14}$  heteroaryl,

wherein if  $R^2$  is a substituted group, it is substituted by one or more substituents independently selected from the group consisting of halogen, up to per-halosubstitution, and  $V_n$ , wherein n=0-3 and each V is independently selected from the group consisting of -CN, -

C3 Port  $CO_2R^5$ ,  $-C(O)NR^5R^{5'}$ ,  $-OR^5$ ,  $-SR^5$ ,  $-NR^5R^{5'}$ ,  $-C(O)R^5$ ,  $-OC(O)NR^5R^{5'}$ ,  $-NR^5C(O)OR^{5'}$ ,  $-SO_2R^5$ ,  $-SO_2R^5$ ,  $-SO_2R^5$ ,  $-SO_2R^5$ ,  $-NR^5C(O)R^{5'}$ ,  $-NO_2$ ,  $C_1-C_{10}$  alkyl,  $C_3-C_{10}$  cycloalkyl,  $C_6-C_{14}$  aryl,  $C_3-C_{13}$  heteroaryl,  $C_7-C_{24}$  alkaryl,  $C_4-C_{24}$  alkheteroaryl, substituted  $C_1-C_{10}$  alkyl, substituted  $C_3-C_{10}$  cycloalkyl, substituted  $C_6-C_{14}$  aryl, substituted  $C_3-C_{13}$  heteroaryl, substituted  $C_7-C_{24}$  alkaryl and substituted  $C_4-C_{24}$  alkheteroaryl,

where if V is a substituted group, it is substituted by one or more substituents independently selected from the group consisting of halogen, up to per-halosubstitution, -CN, -  $CO_2R^5$ , -C(O) $R^5$ , -C(O) $R^5R^5$ , -NR $^5R^5$ , -OR $^5$ , -SR $^5$ ,

-NR<sup>5</sup>C(O)R<sup>5'</sup>, -NR<sup>5</sup>C(O)OR<sup>5'</sup> and -NO<sub>2</sub>;

wherein R<sup>5</sup> and R<sup>5</sup> are each independently as defined above.

4. (Amended) A compound of claim 1, wherein

Y is selected from the group consisting of -O-, -S-,  $-CH_2$ -,  $-SCH_2$ -,  $-CH_2$ S-, -CH(OH)-, -C(O)-,  $-CX^2_2$ ,  $-CX^2H$ -,  $-CH_2O$ - and  $-OCH_2$ -, and

X<sup>a</sup> is halogen.

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5. (Amended) A compound of claim 4, wherein

Ar is selected from the group consisting of phenyl, pyridinyl, naphthyl, pyrimidinyl, quinoline, isoquinoline, imidazole and benzothiazolyl, unsubstituted or substituted by halogen, up to per-halo substitution, and

Z and X are independently selected from the group consisting of  $-R^6$ ,  $-OR^6$  and  $-NHR^7$ , wherein  $R^6$  is hydrogen,  $C_1$ - $C_{10}$ -alkyl or  $C_3$ - $C_{10}$ -cycloalkyl and  $R^7$  is selected from the group consisting of hydrogen,  $C_3$ - $C_{10}$ -alkyl,  $C_3$ - $C_6$ -cycloalkyl and  $C_6$ - $C_{10}$ -aryl, wherein  $R^6$  and  $R^7$  can be substituted by halogen or up to per-halosubstitution.

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7. (Amended) A compound of claim 4, wherein Ar is phenyl or pyridinyl, Y is -O-, -S- or -CH<sub>2</sub>-, and X and Z are independently Cl, F, NO<sub>2</sub> or CF<sub>3</sub>.

15. (Amended) A method for the treatment of disease mediated by raf kinase, comprising administering an effective amount of a compound of formula I or a pharmaceutically acceptable salt thereof to a host in need thereof:

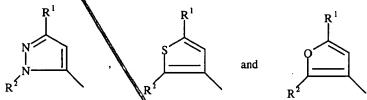
Pont

|| A-NH-C-NH-B

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wherein A is a heteroaryl selected from the group consisting of

k N N



wherein  $R^1$  is selected from the group consisting of  $C_3$ - $C_{10}$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, up to per-halosubstituted  $C_1$ - $C_{10}$  alkyl and up to per-halosubstituted  $C_3$ - $C_{10}$  cycloalkyl;

B is a substituted or unsubstituted, up to tricyclic, aryl or heteroaryl moiety of up to 30 carbon atoms with at least one 5- or 6-member aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, wherein if B is a substituted group, it is substituted by one or more substituents independently selected from the group consisting of halogen, up to per-halosubstitution, and  $X_{\rm p}$ ,

wherein n is 0-3 and each X is independently selected from the group consisting of -CN,  $CO_2R^5$ , -C(O) $NR^5R^{5'}$ , -C(O) $R^5$ , -NO<sub>2</sub>, -OR<sup>5</sup>, -SR<sup>5</sup>, -NR<sup>5</sup>R<sup>5'</sup>,

-NR $^5$ C(O)OR $^5$ ', -NR $^5$ C(O)R $^5$ ', C $_1$ -C $_{10}$  alkyl, C $_{2-10}$ -alkenyl, C $_{1-10}$ -alkoxy, C $_3$ -C $_{10}$  cycloalkyl, C $_6$ -C $_{14}$  aryl, C $_7$ -C $_{24}$  alkaryl, C $_3$ -C $_{13}$  heteroaryl, C $_4$ -C $_{23}$  alkheteroaryl, substituted C $_1$ -C $_{10}$  alkyl, substituted C $_2$ -10-alkenyl, substituted C $_3$ -C $_{10}$  cycloalkyl, substituted C $_4$ -C $_{23}$  alkheteroaryl and -Y-Ar;

where X is a substituted group, it is substituted by one or more substituents independently selected from the group consisting of -CN,  $-CO_2R^5$ ,  $-C(O)R^5$ ,

-C(O)NR<sup>5</sup>R<sup>5'</sup>, -OR<sup>5</sup>, -SR<sup>5</sup>, -NR<sup>5</sup>R<sup>5'</sup>, -NO<sub>2</sub>, -NR<sup>5</sup>C(O)R<sup>5'</sup>, -NR<sup>5</sup>C(O)OR<sup>5'</sup> and halogen up to perhalosubstitution;

wherein R<sup>5</sup> and R<sup>5'</sup> are independently selected from H, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2-10</sub>-alkenyl, C<sub>3</sub>-C<sub>10</sub>

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cycloalkyl,  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{13}$  heteroaryl,  $C_7$ - $C_{24}$  alkaryl,  $C_4$ - $C_{23}$  alkheteroaryl, up to perhalosubstituted  $C_1$ - $C_{10}$  alkyl, up to per-halosubstituted  $C_{2-10}$ -alkenyl, up to per-halosubstituted  $C_3$ - $C_{10}$  cycloalkyl, up to per-halosubstituted  $C_6$ - $C_{14}$  aryl and up to per-halosubstituted  $C_3$ - $C_{13}$  heteroatyl, wherein Y is - O-, -S-, -N( $R^5$ )-,

-(CH<sub>2</sub>)-<sub>m</sub>, C(O)-, -CH(OH)-, -(CH<sub>2</sub>)<sub>m</sub>O-, -(CH<sub>2</sub>)<sub>m</sub>S-, -(CH<sub>2</sub>)<sub>m</sub>N(R<sup>5</sup>)-, -O(CH<sub>2</sub>)<sub>m</sub>-, -CHX<sup>a</sup>-, -CX<sup>a</sup><sub>2</sub>-, -S-(CH<sub>2</sub>)<sub>m</sub>- and -N(R<sup>5</sup>)(CH<sub>2</sub>)<sub>m</sub>-,

m = 1-8, and  $X^a$  is halogen; and

Ar is a 5- or 6-member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur which is unsubstituted or substituted by halogen up to perhalosubstitution and optionally substituted by  $Z_{n1}$ , wherein n1 is 0 to 3 and each Z is independently selected from the group consisting of -CN,  $-C(O)R^5$ ,  $-CO_2R^5$ ,  $-C(O)NR^5R^5$ ,  $-C(O)NR^5$ ,  $-NO_2$ ,  $-OR^5$ ,  $-SR^5$ ,  $-NR^5C(O)R^5$ ,  $-NR^5C(O)OR^5$ ,  $-NR^5C(O)CR^5$ ,  $-NR^5C(O)CR^5$ ,  $-NC^5C(O)CR^5$ ,  $-NC^$ 

-NR<sup>5</sup>C(O)R<sup>5</sup>,  $C_1$ - $C_{10}$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{13}$  heteroaryl,  $C_7$ - $C_{24}$  alkaryl,  $C_4$ - $C_{23}$  alkheteroaryl, substituted  $C_1$ - $C_{10}$  alkyl, substituted  $C_3$ - $C_{10}$  cycloalkyl, substituted  $C_7$ - $C_{24}$  alkaryl and substituted  $C_4$ - $C_{23}$  alkheteroaryl;

wherein if Z is a substituted group, it is substituted by the one or more substituents independently selected from the group consisting of -CN, -CO<sub>2</sub>R<sup>5</sup>,

 $-C(O)NR^5R^5$ ,  $-OR^5$ ,  $-SR^5$ ,  $-NO_2$ ,  $-NR^5R^5$ ,  $-NR^5C(O)R^5$  and  $-NR^5C(O)OR^5$ , and

wherein  $R^2$  is  $C_6$ - $C_{14}$  aryl,  $C_3$ - $C_{14}$  heteroaryl, substituted  $C_6$ - $C_{14}$  aryl or substituted  $C_3$ - $C_{14}$  heteroaryl,

wherein if  $R^2$  is a substituted group, it is substituted by one or more substituents independently selected from the group consisting of halogen, up to per-halosubstitution, and  $V_n$ ,

wherein n = 0-3 and each V is independently selected from the group consisting of -CN, -  $CO_2R^5$ , -C(O)NR<sup>5</sup>R<sup>5'</sup>, -OR<sup>5</sup>, -SR<sup>5</sup>, -NR<sup>5</sup>R<sup>5'</sup>, -OC(O)NR<sup>5</sup>R<sup>5'</sup>,

-NR $^5$ C(O)OR $^5$ ', -NR $^5$ C(O)OR $^5$ ', -SO $_2$ R $^5$ , -SOR $^5$ , -NR $^5$ C(Q)R $^5$ ', -NO $_2$ , C $_1$ -C $_{10}$  alkyl, C $_3$ -C $_{10}$  cycloalkyl, C $_6$ -C $_{14}$  aryl, C $_3$ -C $_{13}$  heteroaryl, C $_7$ -C $_{24}$  alkaryl, C $_4$ -C $_{24}$  alkheteroaryl, substituted C $_3$ -C $_{10}$  cycloalkyl, substituted C $_6$ -C $_{14}$  aryl, substituted C $_3$ -C $_{13}$  heteroaryl, substituted C $_7$ -C $_{24}$  alkaryl and substituted C $_4$ -C $_{24}$  alkheteroaryl,

where V is a substituted group, it is substituted by one or more substituents independently

selected from the group consisting of halogen, up to per-halosubstitution, -CN, -CO<sub>2</sub>R<sup>5</sup>, -C(O)R<sup>5</sup>, -C(O)NR<sup>5</sup>R<sup>5</sup>, -NR<sup>5</sup>R<sup>5</sup>, -OR<sup>5</sup>, -SR<sup>5</sup>,

 $-NR^5C(0)R^5$ ,  $-NR^5C(0)OR^5$  and  $-NO_2$ ,

wherein R<sup>5</sup> and R<sup>5</sup> are each independently as defined above.

18. (Amended) A method of claim 15, wherein B is

$$\sqrt{-Q^{10-2}(Y-Q^{1-}Z_{n1})_s}$$

wherein

Y is selected from the group consisting of -O-, -S-, -CH<sub>2</sub>-, -SCH<sub>2</sub>-, -CH<sub>2</sub>S-, -CH(OH)-, -C(O)-, -CX<sup>a</sup><sub>2</sub>, -CX<sup>a</sup>H-, -CH<sub>2</sub>O- and -OCH<sub>2</sub>-,

X<sup>a</sup> is halogen,

Q is a six member aromatic structure containing 0-2 nitrogen, unsubstituted or substituted by halogen, up to per-halosubstitution;

Q<sup>1</sup> is a mono- or bicyclic aromatic structure of 5-10 members with 3 to 10 carbon atoms and 0-2 members of the group consisting of N, O and S, unsubstituted or substituted by halogen up to per-halosubstitution,

X, Z, and n1 are as defined in claim 15, and s = 0 or 1.

## 19. (Amended) A method as in claim 18, wherein

Q is phenyl or pyridinyl, unsubstituted or substituted by halogen, up to perhalosubstitution,

Q<sup>1</sup> is selected from the group consisting of phenyl, pyridinyl, naphthyl, pyrimidinyl, quinoline, isoquinoline, imidazole and benzothiazolyl, substituted or unsubstituted by halogen, up to per-halo substitution, and

Z and X are independently selected from the group consisting of  $-R^6$ ,  $-OR^6$  and  $-NHR^7$ , wherein  $R^6$  is hydrogen,  $C_1$ - $C_{10}$ -alkyl or  $C_3$ - $C_{10}$ -cycloalkyl and  $R^7$  is selected from the group consisting of hydrogen,  $C_3$ - $C_{10}$ -alkyl,  $C_3$ - $C_6$ -cycloalkyl and  $C_6$ - $C_{10}$ -aryl, wherein  $R^6$  and  $R^7$  can be



substituted by halogen or up to per-halosubstitution.

23. (Amended) A method as in claim 15, comprising administering an amount of compound of formula I effective to inhibit raf kinase.